

Bobolev, A. I.

Assets and Liabilities of Chilean Revolution  
Assessed.

26 pp

RABOCHY KLASS I SOVREMENNYI MIR, Moscow, No 2,

1974, pp 3-22.

JPRS 62006

Sebelev, Aleksandr

Lenin Praised as Party Organizer.

14 pp

PROBLEMY NIRA I SOTSIALIZMA, Moscow, No 2, 1974,

pp 12-18.

JPRS 61540

24-Jul-74

Uncl (AEC-tr--7548, pp 96-102) Role of endogenous substances in the action of a background of increased radioresistance. Communication 3. Role of endogenous serotonin. SOBOLEV, A.S.; ZHAMSARANOVA, S.D.; OREKHOV, A.N.; GONCHARENKO, E.N.; KUDRYASHOV, YU.B. (Moscow State Univ.). 1974. Translated from Radiobiologiya; 14: No. 1, 78-82(1974).

NSA

24-Oct-74

Uncl (AEC-tr--7571, pp 57-61) Role of endogenous substances in the creation of a background of increased radioresistance. Communication 4. Investigation of the influence of serotonin on lipid radiosensitizers. SOBOLEV, A.S.; OREKHOV, A.N.; DEEV, L.I.; GONCHARENKO, E.N.; KUDRYASHOV, YU.B. (Moscow State Univ.). Aug 1974. Translated from Radiobiologiya; 14: No. 2, 206-209(1974).

NSA

Sobolev, G. A.

Rapid Changes of Electrical and Seismic Properties of a Medium in a Seismically Active Region,

7 PP

DOHLADY AKADEMII NAUK SSSR, Moscow, Vol 215, No 5,  
1974, pp 1101-1104.

JPRS 62594

Sobolev, M.

Exchange of Party Documents to Increase Effectiveness of Party Work,

7 pp

KRASNAYA ZVEZDA, Moscow, 23 Aug 1973, pp 2-3.

JPRS 60192

Sobolev, M.

Visit of Soviet Political Officers to Bulgaria  
Reviewed.

6 pp

KRASNAYA ZVEZDA. Moscow, 8 Dec 1973, p 3.

JPRS 61007

Sobolev, M.

Army. Navy Party Meeting Results Presented.  
6 pp

~~KRASNAJA ZVEZDA~~. Moscow, 12 Mar 1974, pp 2-3.  
JPRS 61731



Sobolev, N. N.

Mechanism of Generation in CO<sub>2</sub> Laser.

A.T.S. RJ-5244

Intern. Conf. Phys. Electron. Atomic Collisions,  
5th, Leningrad, July 17-23, 1967.

Scholar, N. N.

Co-laser. Results of experimental investigations.

45 pp.

AN SSSR. ORDENA LENINA FIZICHESKIY INSTITUT.

LABORATORIY MIKRO-TEMPERATURNY FIZIKI.

P. N. LOMONOSOVA, No. 33, 1972, pp. 1-63

AIR/FTD/NT-24-1735-72

may 73

Sobolev, N. N.

Co-laser. The formation mechanism of  
population inversion. 4pp.

AN SSSR. ORDENA LENINA VEICHESKIY INSTITUT.  
LABORATORIYA OPTIKI NIZKOY TEMPERATURY PLAZMY.  
Zhurn. P. N. Lazdman, No. 67, 1972, pp. 1-61  
AIR/VID/MR-24-1733-72

Sobolev, N.N.

CO<sub>2</sub> laser. A mechanism for the generation of  
the inverse population.

USPEKHI FIZICHESKIKH NAUK, Vol.110, No.1.

pp.191-212, 1973.

APL/JHU 24400

T-2827

Sobolev, S. F.

Determining the Presence of Gold in Basic and  
Acidic Rock Formations of the Urals.

6 pp

SERIYA GEOLOGICHESKAYA. IZVESTIYA AKADEMII NAUK  
SSSR, Novosibirsk, No 10, 1973, pp 68-78.

JPRS 61216

31-May-74

Uncl (AEC-tr--7457, pp 352-358) Toxic effect of  $^{237}\text{Np}$   
on rat hepatocytes. SOBOLEV, S.G.; LEMBERG, V.K.  
1972. Translated from pp 236-241 of Biologicheskoye  
deystviye vneshnikh i vnutrennikh istochnikov radiatsii,  
Moscow, Meditsina, 1972.

NSA

Sobolev, V. F.

Methods of Inventory Control Summarized.

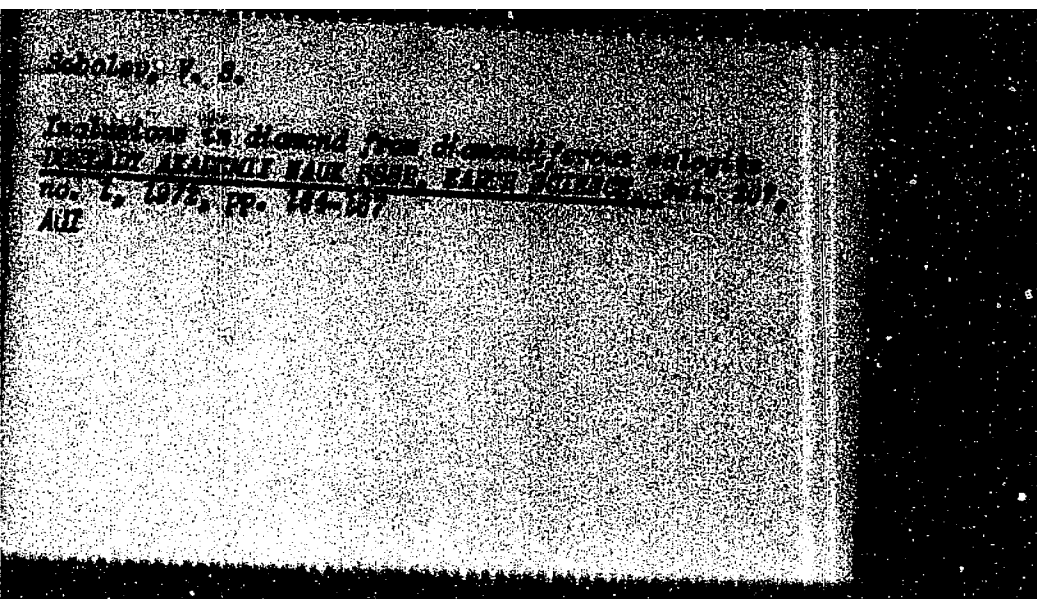
11 pp

IZVESTIYA SIBIRSKOGO OTDELENIYA AKADEMII NAUK SSSR;

SERIYA OBSHCHESTVENNYKH NAUK, Novosibirsk, No 6,

1974, pp 73-81.

JPRS 62836





Sobolev, V. V.

*Spectrum of a planet with a two-layer atmosphere.*

DOKLADY AKADEMII NAUK SSSR, SOVIET PHYSICS, Vol. 811, No. 1

July 1978, pp 85-88

AIP

Sobolev, V.V.

Ratio of emissive to absorptive powers of a  
medium for an arbitrary scattering law  
DOKLADY AKADEMII NAUK SSSR, SOVIET PHYSICS,  
Vol. 212, No. 4, 1973, pp. 1898-1899.  
AIP

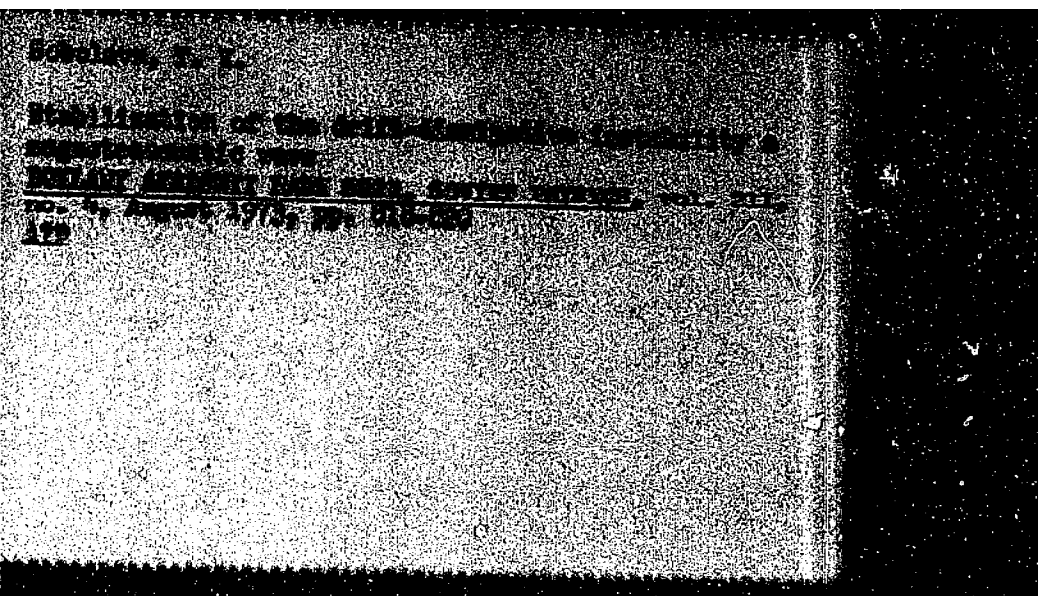
Sobolev, Yu.

Soviet Aerometeorological Service Described,  
5 pp.

AVIATSIYA I KOSMONAVTIKA, Moscow, No 5,  
May 73, pp 36-37.

JPRS 59581

Aug 73



Sobolevskiy, T.

Some Problems in the Output-Capital Ratio.

9 pp

PLANOVYE KHOZYAYSTVO, Moscow, No 11, 1973.

pp 142-148.

JPRS 61039

Sobota, A.

Changes in  $\text{Na}^+$ ,  $\text{K}^+$  - ATPase and p-nitrophenyl-phosphatase activity of the outer segments of the retina during illumination.

DOKLADY AKADEMII NAUK SSSR, Biochemistry, Vol 208,  
No. 5, February 1973, pp 1242-1245.

CB

Sobotka, R.

Effects of industrial exhalations on the soil biology  
of spruce growths in the Krusna Hora mountains.

LESNICKY CASOPIS, V. 10, p. 987-1001, 1964.

NTC 73-11078-02F

Sobotka, J.

The properties of weld metal from an electrode for  
welding high temperature steels CSN415313 (2.25% Cr - 1%  
Mo)

ZVARANIE, Vol 22, No 1, 1973, pp 7-13  
VR/132/73



13-Mar-74  
Uncl (ORNL-tr--2752) Stress-rupture of weld metal in  
the weld seams of low-alloy temperature-stabilized  
steels. SOBOTKA, J.; PRNKA, T. Translated by Robert  
H. Kernohan from Arch. Isenhuettentw.: 43: No. 5, 427-  
429(1972). Sp. Dep. TIS \$3.00.

11F metallurgy: translations  
MN-25 P NSA

Sobotka, J.

The Effect of Vanadium on the High Temperature  
Properties of 1/2Cr 1/2Mo Weld Metal.  
NEUE HUTTE, V.17, N.6, June, 1972, pp.353-357.  
BISI 11935

Sobotka, Jaromir

Stress-Rupture Strength of Weld Metal in the  
Weld Seams of Low-Alloy Temperature-  
Stabilized Steels

5 pp

ARCHIV EISENHUT. Vol 43, No 5, 1972, pp 427-429

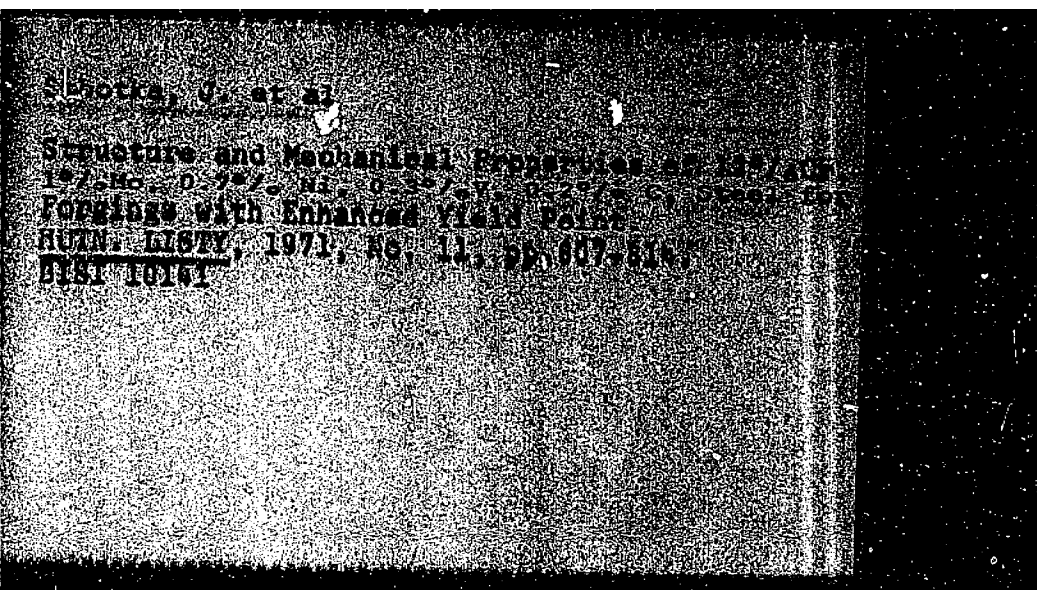
AEC/ORNL/tr-2752-74

Sobotka, J. et al

Anisothermal Decomposition of Austenite in  
Steel 17124 for High-Yield-Point Forgings.

HUTN. LISTY, 1972, No. 4, pp.274-278.

BISI 10541



Sobotka, J

Effect of boron addition on the structure and mechanical properties of low alloy high temperature steels.

RUSSIAN LITERATURE, Vol 23, No 11, 1970, pp 791-799

W/194/13

SOBROVIN, A.

//EKONOMICHESKAYA GAZETA//

—/11/1974.3—, NO047. PP 0015

Scientific Production Associations Must be Improved

6 pp

JPRS 63721

#

Sobtsov, N. V.

Estimation of maximum likelihood in a multi-  
scale phase-measuring system.

RADIOTEKHNIKA I ELEKTRONIKA, Vol. 18, No. 6,

pp. 1180-1185, 1973,

APL/JHU T-2782



Sesbacki, Janusz

Development of Data Transmission Outlined, 6 pp.

WIADOMOSCI TELEKOMUNIKACYJNE, Warsaw, No 7,

JUL 74, pp 52-56.

JPRS 63373

Dec 74

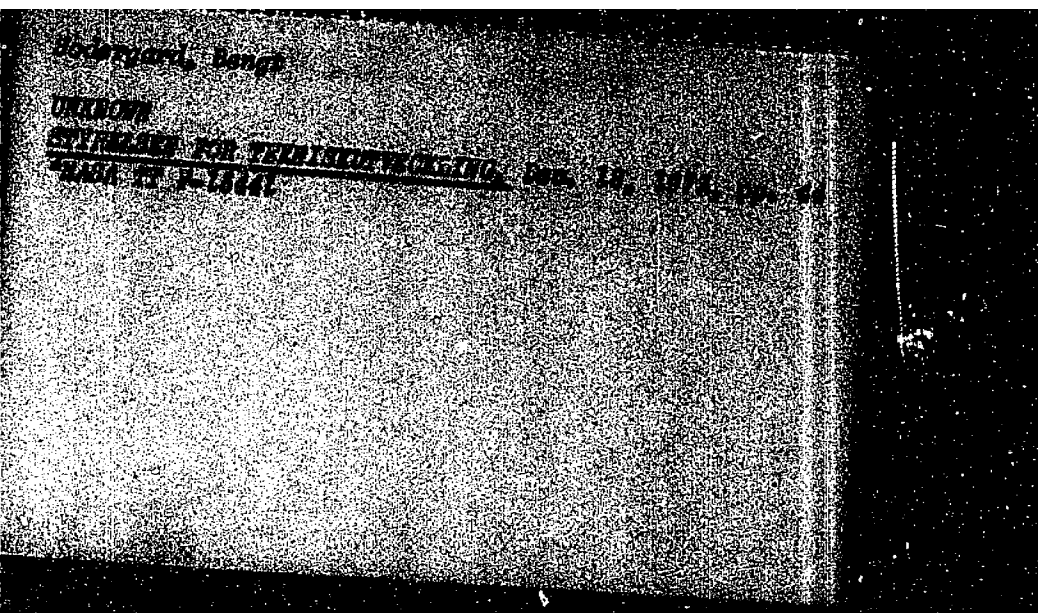
SOCHAVA, B.

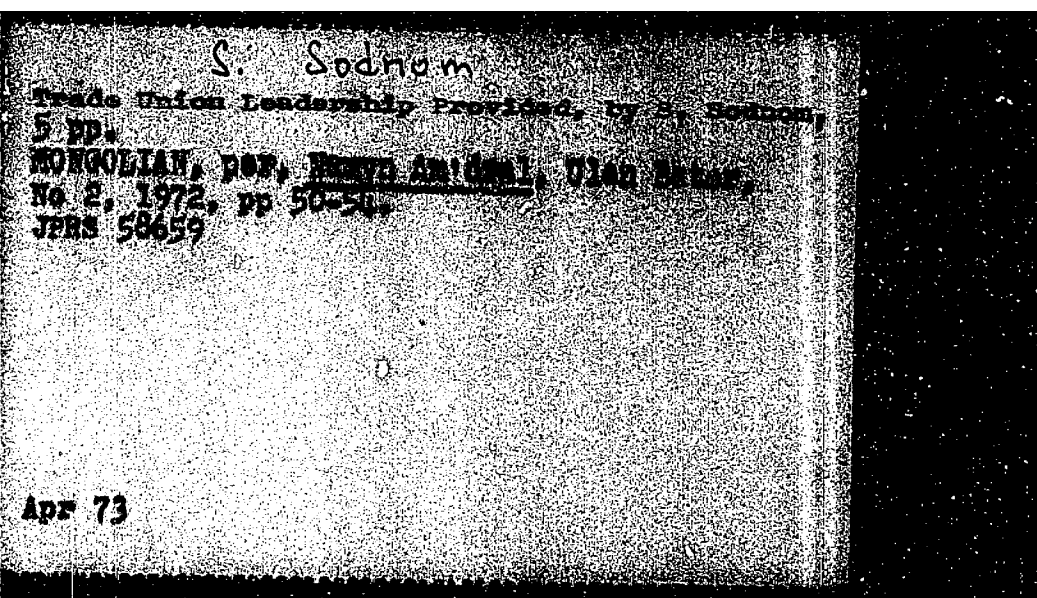
RU

LARGE-SCALE MAPPING OF VEGETATION AND SOME AS  
PECTS OF ITS DEVELOPMENT

KRUPNOMASSHTABNOYE KARTOGRAF. RASTITEL. (ONNAUK  
A) NOVOSIB. 1970 5-16

FSTC-HT-23-1299-73





Sodorov, V.M.

Simplified method of multiple implantation of electrodes  
in the subcortical structures of the brain.

RUSSIAN JOURNAL OF NEUROLOGY, Vol 15, No 5,  
1965, PP 948-96

MIASA EE 8-15,001

**CIA-RDP91-00929R000200830045-0**

25-Oct-74

Uncl (LA-tr--74-32) Investigation of fast magnetic  
plasma compression as method for generating high  
temperatures with weak compression. SOELDNER, F. (MAX-  
PLANCK-INSTITUT FUER PLASMAPHYSIK, GARCHING/MUENCHEN  
(F.R. GERMANY)). Jan 1974. Translation of IPP--1/141.  
56p. Dep. NTIS \$6.00.

18A fusion devices (thermonuclear); 20I physics (plasma);  
translations  
MN-20 P NSA

Sofiyan, A. P.

Probability Calculations of the Depth of the  
Snow Cover Considering the Territorial Nonuniformity  
of Occurrence.

9 pp

METEOROLOGIYA I GIDROLOGIYA, Moscow, No 5, 1974,

pp 80-85.

JPRS 62559



SOFRONOV, YE. C

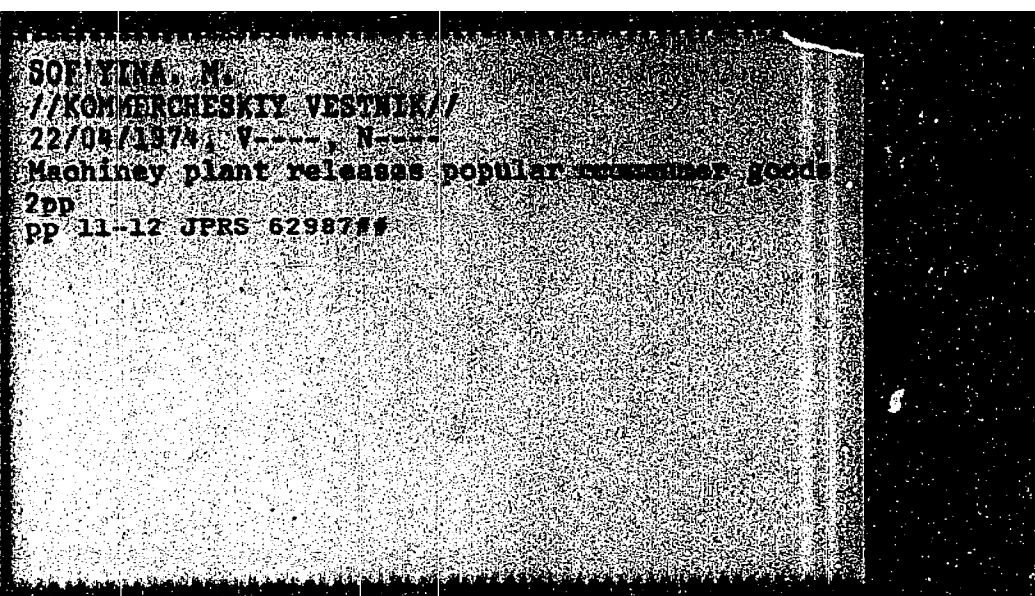
RU

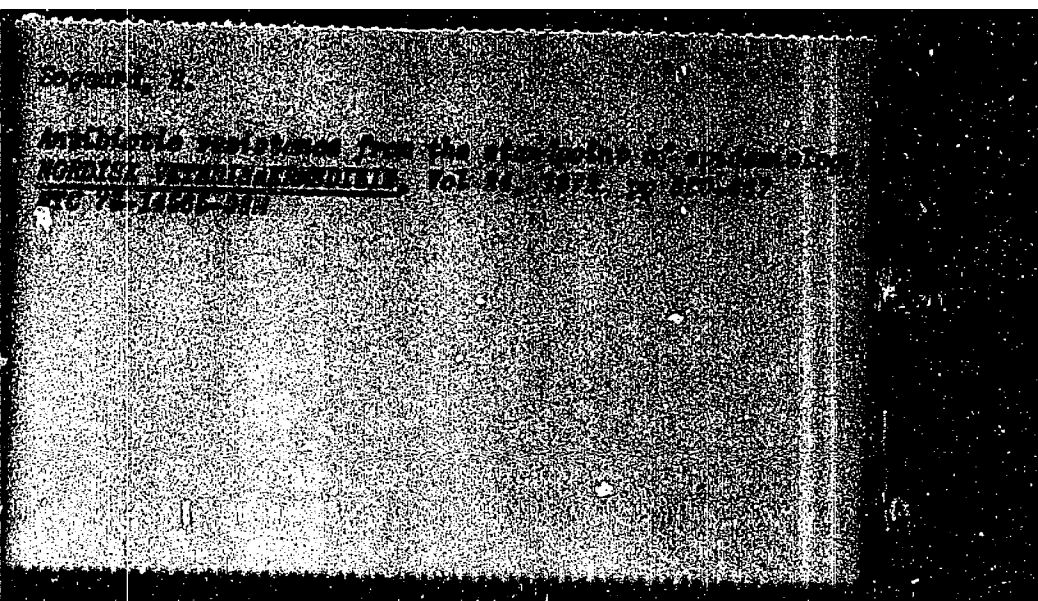
THE PLANES OF THE AIR FLEET ARE IN THE AIR

V VOZDUKHE SAMOLETY AEROFLOTA

*completed  
HPP*MASHINOSTROYENIYE 1973 MOSCOW CH.2 P 15-53, C  
HS 73-77. CH 15 130-143 T7

FSTC-HT-23-0916-74





Sogroshin, Yu. P.

The factors affecting the process of high-speed deformation. 10 pp.

KUZNECHNO-SHTAMPOV, No 5, 1972, pp 5-7

AIR/FTD-HT-23-190-73

may 73

Schri, Major H.

Transition Problems - P 100. Published in the  
the Computer BDP R 100

MILITARTECHNIK, Vol 10, No 10, 1971 pp 457-471

FSTC-HT-23-2420-72

DISTRIBUTION LIMITED TO U.S. GOVT AGENCIES

Sojo, Marta G.

Reconstruction of Cuban Railroads Described.

6 pp

BOHEMIA, Havana, 1 June 1973, pp 18-23.

JPRS 61506

Sojo, Marta G.

Application of Computerized Transportation in Cuba.

7 pp

REVIEWIA, Havana, 2 Mar 1973, pp 26-31

JPRS 59349

Sojo, Marta, G.

History of Bus Service in Cuba Detailed.

6 pp

BOHEMIA, Havana, 7 Dec 1973, pp 12-17.

JPRS 61749



Sojo, Marta G.

Development of Trucking in Cuba Described.

7 pp

BOHEMIA, Havana, 21 Dec 1974, pp 14-19.

JPRS 61749

*Sokol, B.*

*Operational evaluation of the Polka (Polska) system  
trends in development with this type of model.*

*TECHNIKA I GOSPODARSKA MEKANIKA, Vol. 10, No. 10, 1968,*

*pp 549-553*

*NTC 78-21971-16J*

Sok-chin, Han

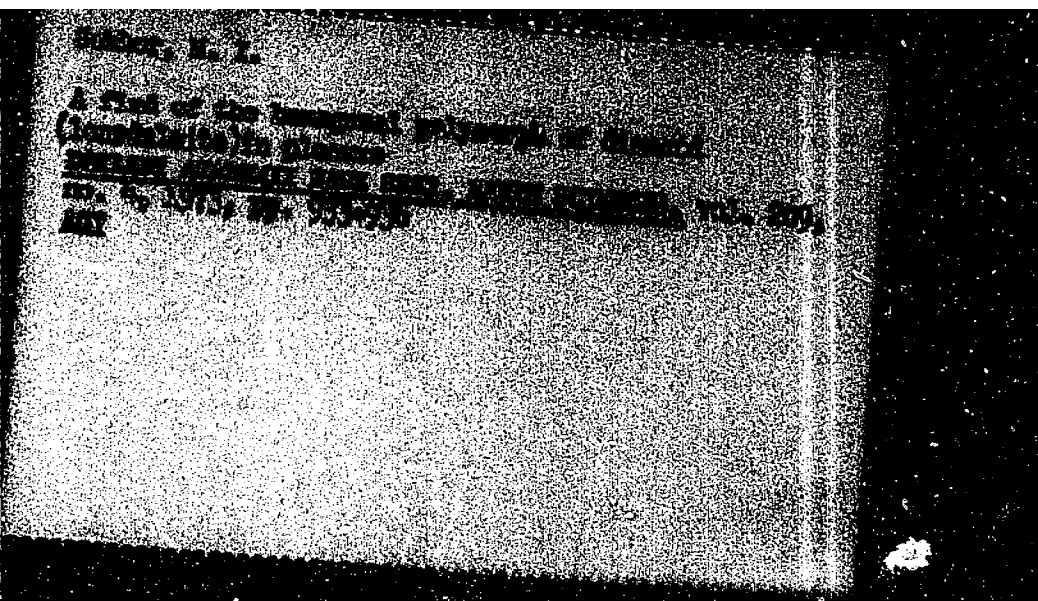
A New State Organ System Which Reflects the  
Practical Demands of the Revolution and Con-  
struction, 12 pp.

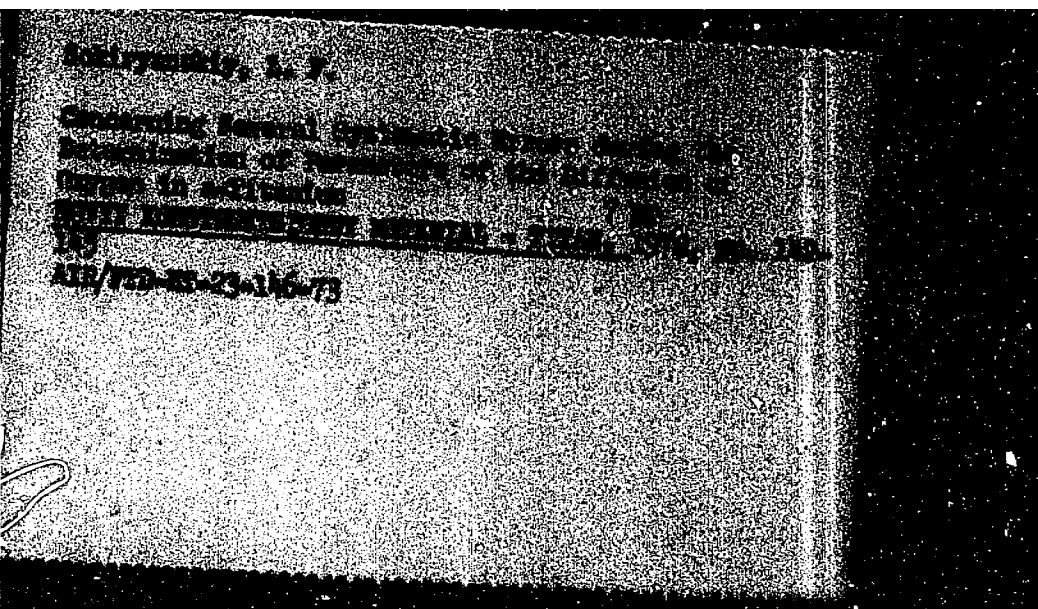
KULLOJA, Pyongyang, No 9, 5 Sep 73, pp 30-35.

JPRS 61248

Mar 74

BOHRACH, G.  
//PARTYDATA ZHIZN//  
--/09/1974, 1--0000, 00007, PP 0000-0000  
Communist Evaluate Party Card Exchange 5 PP  
JPRS 65771  
†





Sok-ki, Kim

Superiority of Our Socialist Educational  
System, 11 pp.

KULLOJA, Pyongyang, No 2, 5 Feb 73, pp 30-35.

JPRS 59888

Sep 73

Sokol'chik, V. A.

Experimental Study of Some Technological Questions  
in the Application of  $N_2O_4$  Coolant in a Nuclear  
Reactor.

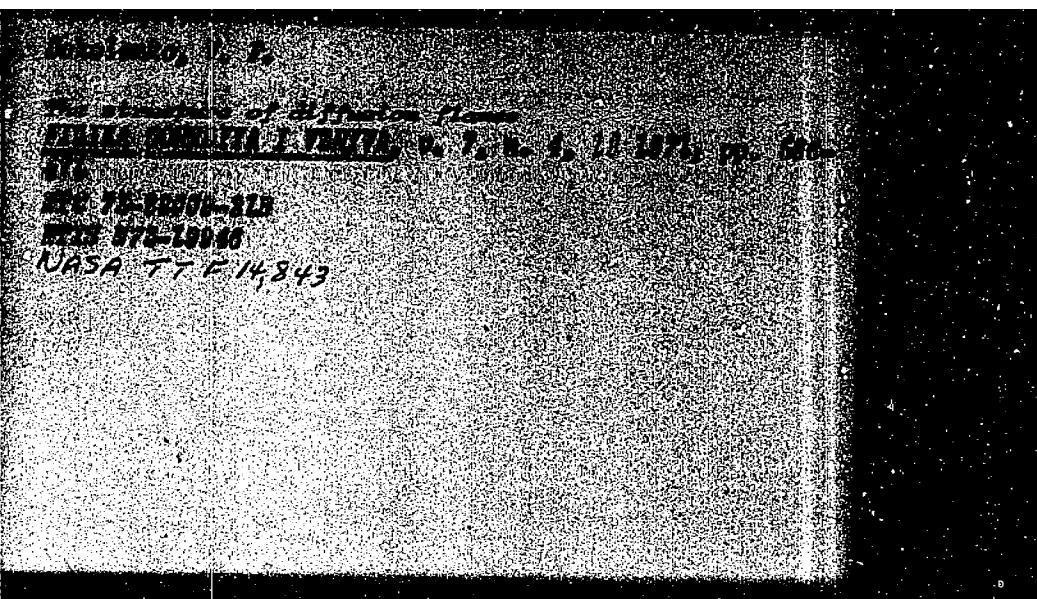
7 pp

DISSOTSIIRUYUSHCHIYE GAZY KAK TEPLONOSITELI I  
RABOCHIYE TELA ENERGETICHESKIKH USTANOYOK  
(MATERIALY III VSESoyuzNOY KONFERENTSI), Minsk,

Part 1, 1973, pp 205-211.

JPRS 60560





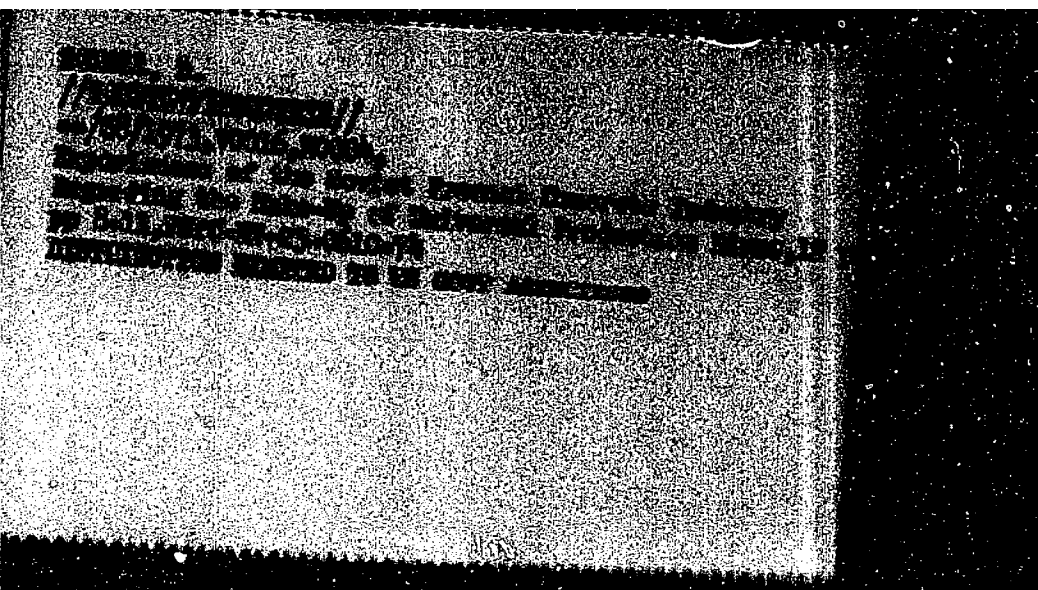
Sokolin, Kh.G. et al

Experience with Paleostructural Analysis of the  
Salt-Underlain Complex in the Northwest Part  
of the Caspian Depression.

GEOL. NEFTI GAZA, V.15, 1972, No. 7, pp.20-5.

A.T.S. ROGB 861

BOGOLYBA, L. P.  
//НЕПРЕПЕРАБОТКА И НЕПРЕКРУПКА//  
--/--/1972, V. 1, NO. 003,  
Investigation of the Solubility of Ethyl Mercaptan  
in Alkali Solutions Containing Different Additives,  
pp 40-41, BIC 74-10631-07A00



Sokol'nikov, G.

USSR-West German Economic Ties Discussed,  
12 pp

NOVAYA EKONOMIKA I MEZHDEARODNIYE, Moscow,  
No 10, Oct 1973, pp 17-25,  
JPRS 60674

Sokolov, A.

General Comments on Command and Staff Work in  
Field Exercises.

6 pp

KRASHAYA ZVEZDA, Moscow, 3 Oct 1973, p 2.

JPRS 60468

Schulov, A. A.

The Relativistic Electron

RESEARCH REPORT

1974

SENT 20 Aug 1973

Sokolov, A. A.

The All-Union Hydrologic Congresses.

9 pp

METEOROLOGIYA I GIDROLOGIYA. Moscow, No 10, 1973,

pp 3-8.

JPRS 60954



A. A. Sokolov

Quantum theory of the glowing electron, 3. 29 pp.  
ZH. EKSPERIM. TEOR. FIZ. Vol 25, No 6 (12), 1953, 28 p.  
NASA TT F 14,495

apr 73

Sokolov, A. G.

The Development of Structural Methods for  
Increasing the Effectiveness of Fully Rotatable  
Parabolic Antennas.

8 pp

IZVESTIYA VISSHNIKH UCHEBNYKH ZAVEDENIY --

RADIOFIZIKA, Moscow, Vol 16, No 5, 1973.

pp 655-660.

JPRS 59985

Sokolov, A. S.

Development of Design Methods for Improving the  
Efficiency of Fully-Steerable Parabolic Antennas.

IZV. VUZ, RADIOFIZIKA, Vol. 16, No. 5, pp. 853-860,  
1973.

APL/JHU T-2803

Sokolov, A.V. et al Editors

Agrochemistry of the Soils of the USSR 292 pp  
(Central Siberia)

AGROKHMICHESKAYA KHARAKTERISTIKA POCHV SSSR  
(Srednyaya Sibir) 1971

NTIS-TT-74-50012

B. SOKOLOV

High-Yield Hybrid Corns Developed, Seed-Growing  
& Problem, by B. Sokolov, 5 pp.

RUSSIAN, np, Sel'skaya Zhizn', Moscow, 13 Mar 1973.

p 2.

JPRS 58749

APT 73

Sokolov, B.

Institute Work on Corn Hybrids Described.

5 pp

SEL'SKAYA ZHIZN'. Moscow, 8 Jan 1974, p 2.

JPRS 61240

Sokolov, B. A.

Geological Structure and Oil and Gas in the Arctic.  
25 pp

REFIDAZOMOSHOT' MOREY I OKEANOV, Moscow, 1973,  
pp 194-217.

JPRS 62095

*Sokolov, D. V.*

*The question of the Fergana stage.*

BYUL, MOSK, OBSHCHESTVA ISPYTATELEI PRIRODY, Col 23, 1910

pp 60-79

ATS RJ-6022



SOKOLOV, G. V.

RU

FORMATION OF THE EXCAVATOR CHARACTERISTICS OF  
A FREQUENCY REGULATED ASYNCHRONOU

ELEKTROMAGNIT. PROTSESSY V PRIVOD. S CHASTOT.  
UPRAVL., '72 ("NAUKA") 89-10

FSTC-HT-23-0424-74

Sokolov, I.N.

Standardized line of improved pressure-vessel type  
boiling-water reactor. 16 pp.

INTERNATIONAL ATOMIC ENERGY AGENCY. SYMPOSIUM ON LOW  
AND MEDIUM POWER ENERGY REACTORS. IAEA/SM-140/21

Oslo, 12-16 Oct 1970, pp 1-20

JPRS 52014

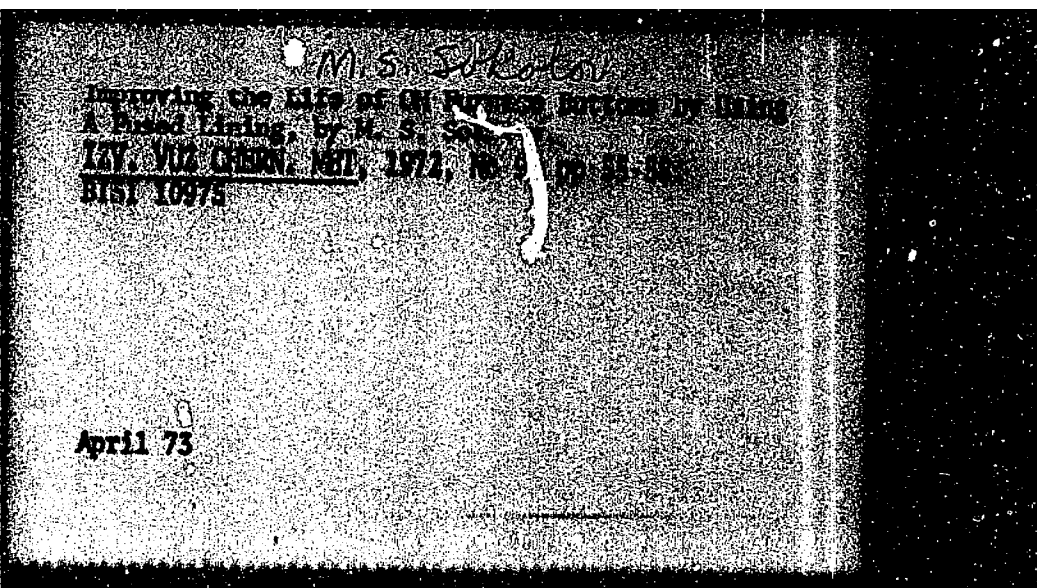
Jan 71

7-Mar-74

Uncl (BNL-tr--548) Contribution of direct interactions to the cross sections for neutron scattering by Mg, Ti, Cr,  $^{58}\text{Ni}$ ,  $^{60}\text{Ni}$ , and  $^{62}\text{Ni}$  nuclei. SOKOLOV, L.S.; FEDOROV, M.B.; KORBETSKII, E.V.; SUROVITSKAYA, N.I.; YAKOVENKO, T.I. Translated by S. J. Amoretty from Ukr. Fiz. Zh. (Russ. Ed.); 18: No. 2, 263-266(1973). 10p. Dep. NTIS \$3.00.

20H physics (nuclear); translations  
MN-34c P NSA

revision



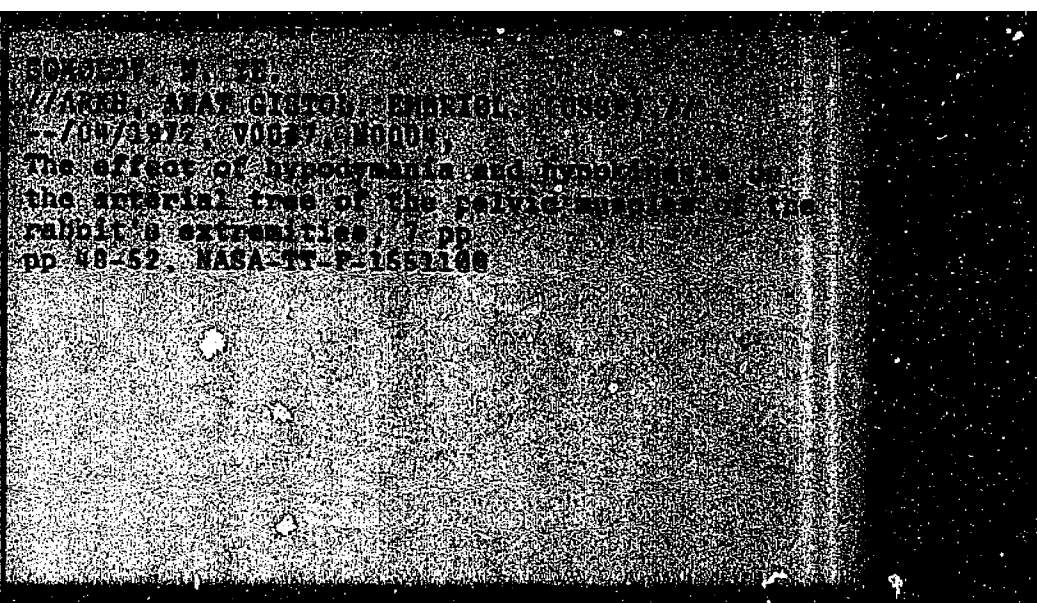
Sokolov, Mikh.

The Accomplishments of Our Party.

7 pp

KOMMUNIST, Moscow, No 10, July 1973, pp 32-36.

JPRS 59918



**SOKOLOV, P. M.**

**The Use of Malachite Green in Gyrodactylasis  
of Carp.**

**VSESOYUZNYI NAUCHNO-ISSLEDOVATELSKII INSTITUT  
PRUDVOGO RYBNOGO KHOZTAISTVA. TRUDY, vol. 18, pp. 179-  
180, 1971**  
**NTC 73-10341-06C**

**March 73**

Sokolov, S. M.

Book Describes Helicopter Development and Improvements.

7 pp

SOVETSKIE VERTOLETY. Moscow, 1974, pp 1-4, 68-72.

JPRS 63039



Sokolov, S. S.

Heart Transplantation (The Work of American Surgeons), 7 pp.

USA: ECONOMICS, POLITICS, IDEOLOGY, Moscow,  
No 6, Jun 73, pp 108-112.

JPRS 59539

Aug 73

AE

Numerous Problems and Prospects for Agricultural  
Construction, by T. Bekulov, 11 pp.  
RUSSIAN, For: ~~XXXXXXXXXXXXXXXXXX~~ Moscow, No 2.  
Feb 1971, pp 15-19.  
JPRS 98753

Apr 73

Role, Tasks of Agricultural Planning Described,  
by I. Sokolov, 17 pp.

RUSSIAN, per. Ekonomika SSSR, Moscow, No 2, Feb 1973, pp 24-34.

JPRS 98765

Apr 73

Sokolov, T.

Intensification of Agriculture, Use of Scientific  
Advances Urged.

5 pp

PRAVDA, Moscow, 19 Dec 1973, p 2.

JPRS 61070

Sokolov, T.

Problems Connected With Agroindustrial Complexes  
Considered,

10 pp

PLANOVOYE KHOZTAYSTVO, Moscow, No 2, 1974, pp 7-14,  
JPRS 61827

Sokolov, T. I.

December 1973 Plenary Session Sets 1974 Plan.

7 pp

EKONOMICHESKAYA GAZETA, Moscow, No 1, Jan 1974,

p 5.

JPRS 61039

Sokolov, V.

Questions of Agricultural Planning, Management,  
7 pp

PLANOVYE KHOZYAYSTVO, Moscow, No 4, Apr 74,  
pp 111-115,  
JPRS 62582

V. Sokolov  
Role of Military Comradeship Described, by  
V. Sokolov, 5 pp.  
RUSSIAN, par. Issued by Voennoye Izd., Moscow,  
No 5, Mar 1973, pp 64-72.  
JPRS 58875

May 73



SOKOLOV. V. S.

//GEODEZIYA I KARTOGRAFIYA//

--/08/1972, V----, N0008

Method of estimating the correlation function  
of an inhomogeneous random field of optical  
densities 17 pp

pp 51-59 ARM/FSTC/HT-23-1836-73##

SOKOLOV, V. ETA

LR

METHOD OF ESTIMATING CORRELATION FUNCTION OF  
A NON-HOMOGENEOUS RANDOM FIELD OF

GEODEZIYA I KARTOGRAFIYA, #8 (AUG.) 1972, PP  
51-59.

FSTC-HT-23-1836-73

Sokolov, V.

Computerized Distribution of Fertilizers Proposed.

7 pp

EKONOMIKA SOVETSKOY UKRAINY, Kiev, No 7, July

1973, pp 53-56.

JPRS 60304